

### Abstract

A method for binding a work Label Switch Path (LSP) with a protection LSP, including: transmitting a first message including binding information to a Path Merging Label Switching Router (PML) via a Path Switching Label Switching Router (PSL) so as to request for creating a protection LSP of the work LSP; the PML router assigning a label for the protection LSP based on the first message and returning a second message carrying the binding information; after receiving the second message, the PSL router binding the work LSP with the protection LSP based on the binding information, and transmitting a notification message including the binding information to the PML router; the PML router binding the work LSP with the protection LSP based on the binding information in the notification message.